

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the subject application, and please amend the claims as follows:

Claim 1. (original): A method of crimping a varied diameter graft comprising:

(a) providing a flat-woven tubular graft having an enlarged woven bulbous portion disposed between flat-woven tubular ends, wherein the flat-woven diameter of said bulbous section is greater than the flat woven diameters of said tubular ends;

(b) providing a mandrel shaped and sized to said woven bulbous section and having a curved crimping surface; and

(c) positioning said curved crimping surface within said bulbous woven section so that the bulbous woven section contours to said curved crimping surface.

Claim 2. (original): The method of claim 1, further comprising heating said bulbous woven portion to set the shape of said bulbous woven portion.

Claim 3. (original): The method of claim 1, further comprising applying heat and pressure to said bulbous woven portion to set the shape of said bulbous woven portion.

Claim 4. (original): The method of claim 2, wherein said heating is caused by ultrasonic action.

Claim 5. (original): The method of claim 2, wherein said heating is caused by steam.

Claim 6. (currently amended): The method of claim 1 1 [[2]], further including the steps of

(d) providing a horn having a crimped surface mateable to said crimped surface of said mandrel;

(e) aligning said crimping surfaces of said horn over said bulbous woven section;

(f) securing said woven section between said crimping surfaces of said horn and said mandrel; and

(g) causing said woven portion to heat by ultrasonic action to heat set crimps thereat.

Claim 7. (currently amended): The method of claim 6 [[1]], further comprising rotating said graft around said mandrel and repeating steps ~~(d)~~ and (e) through (g) until the graft is circumferentially crimped.

Claim 8. (currently amended): The method of claim 2, further including the steps of providing a rotatable ~~rotateable~~ horn having a crimped surface mateable to said crimped surface of said rotatable ~~rotateable~~ mandrel made to rotate;

aligning said crimping surfaces of said rotatable ~~rotateable~~ horn over said bulbous woven section;

securing said woven section between said crimping surfaces of said rotatable ~~rotateable~~ horn and said rotatable ~~rotateable~~ mandrel; and

causing said woven portion to heat by ultrasonic action to heat set crimps thereat.

Claim 9. (original): A method of crimping a varied diameter graft comprising:
providing a flat-woven tubular graft having an enlarged woven bulbous portion disposed between flat-woven tubular ends, wherein the flat-woven diameter of said bulbous section is greater than the flat woven diameters of said tubular ends;

providing a tubular cylindrical mandrel having a diameter such that its exterior surface is slidable engageable within said woven tubular ends;

providing a bulbously shaped mandrel donut, said donut being slidable over said cylindrical mandrel, said donut having a crimped exterior surface;

aligning said donut within said bulbous woven section of said graft;
sliding said cylindrical mandrel through said donut;
crimping said graft over said cylindrical mandrel and bulbous donut; and
removing said cylindrical mandrel and said bulbous donut from said graft.

Claim 10. (original): The method of claim 9, wherein said removing step further comprises:

slidingly removing said cylindrical mandrel from said graft and said bulbous donut; and
removing said donut from said graft.

Claim 11. (original): The method of claim 9, wherein said tubular mandrel comprises a crimping surface and wherein said flat-woven tubular ends are crimped over said crimping surface of said mandrel.

Claim 12. (original): The method of claim 9, wherein the removing step further comprises compressing said donut.

Claim 13. (original): The method of claim 9, wherein the removing step further comprises collapsing said donut.

Claim 14. (original): The method of claim 9; wherein the removing step further comprises disassembling said donut.

Claim 15. (original): A system for crimping a varied diameter graft comprising:
a mandrel having a bulbous portion, said bulbous portion having a curved crimping surface; and
a horn having a curved crimped surface aligningly engageable to said curved crimping surface of said mandrel; and

a source of ultrasonic energy.

Claim 16. (currently amended): A mandrel for crimping a varied diameter graft comprising:

a mandrel with a bulbous portion, said bulbous portion having a ~~an~~ curved crimping surface.

Claim 17. (original): A mandrel for crimping a varied diameter graft comprising:

a tubular mandrel having a diameter such that its exterior surface is slidably engageable within a vascular tubular graft, wherein said exterior mandrel surface has a crimping surface; and

a bulbously shaped mandrel donut, wherein said donut is slidable engageable over said tubular mandrel, said donut having a curved exterior crimping surface.

Claim 18. (original): The mandrel of claim 17, wherein said donut is collapsible.

Claim 19. (original): The mandrel of claim 17, wherein said donut is expandable.

Claim 20. (original): The mandrel of claim 17, wherein said donut is inflatable.

Claim 21. (original): The mandrel of claim 17, wherein said donut is made from a resilient material.

Claim 22. (original): The mandrel of claim 17, wherein said donut is made from multiple parts and is disassembleable.